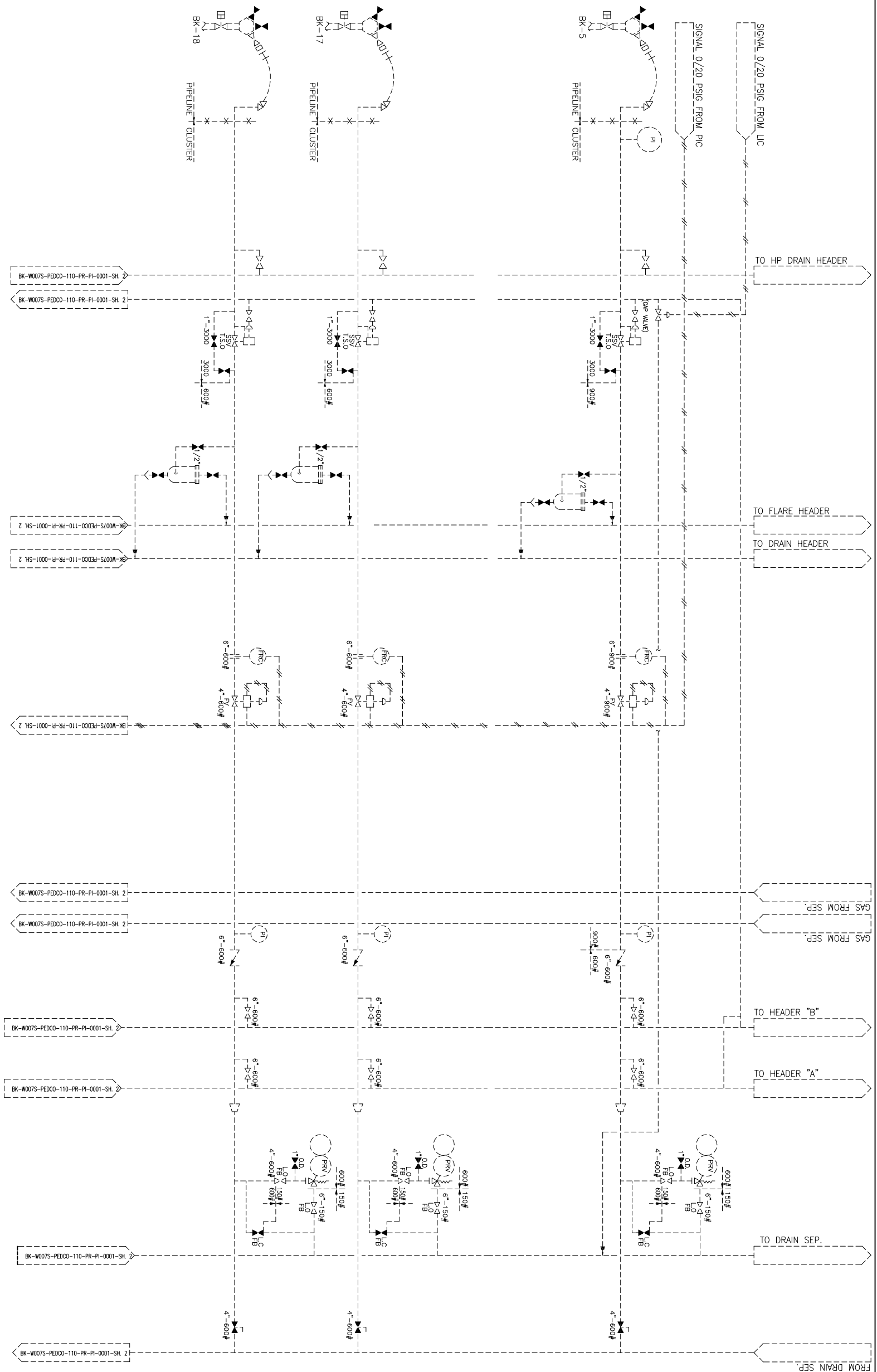




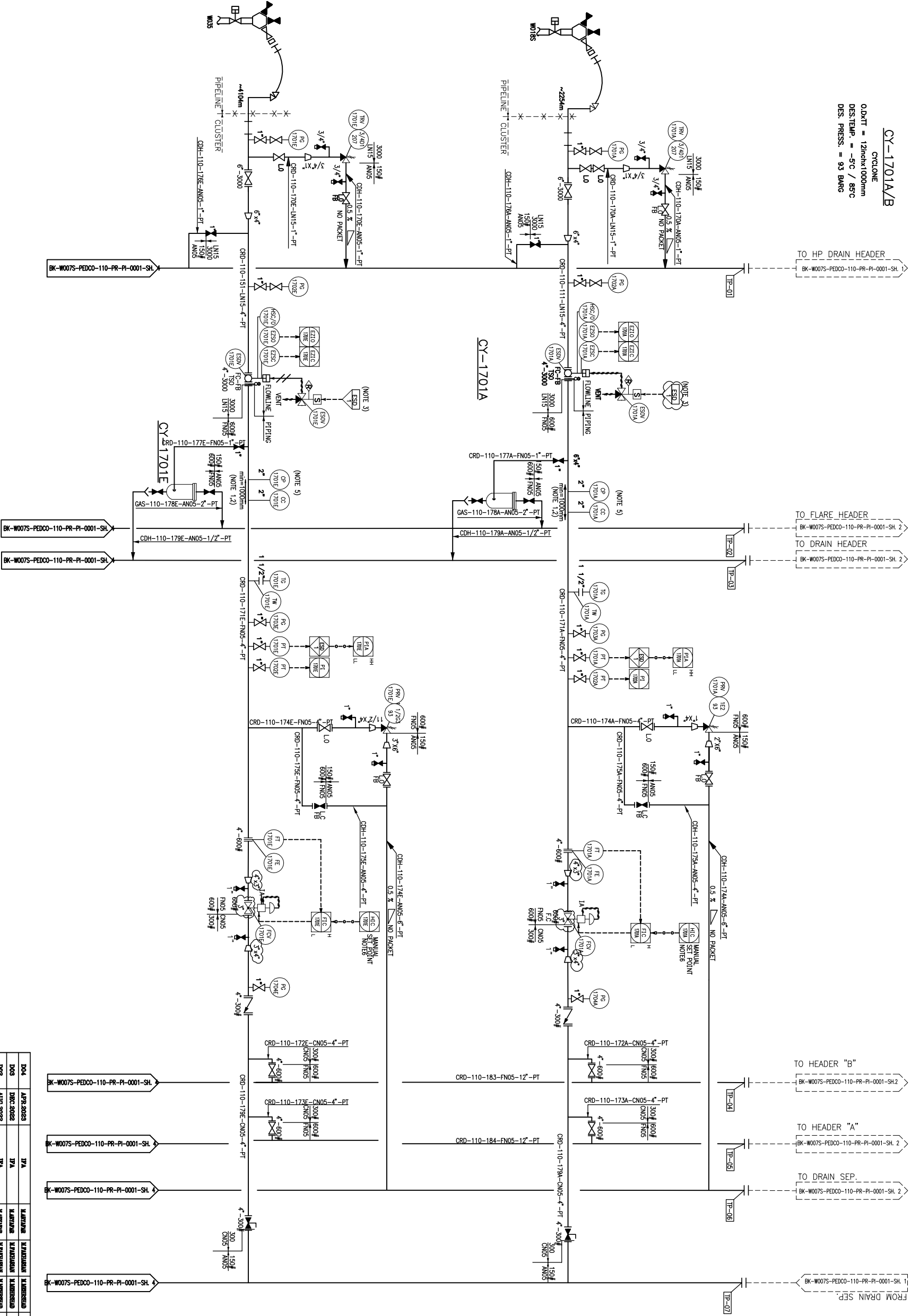
D04	APR-2023	JYA	MAYYABA	MUSHEED	99.99	
D06	DEC-2022	JYA	MAYYABA	MUSHEED	99.99	
D02	AUG-2022	JYA	MAYYABA	MUSHEED	99.99	
D01	FEB-2022	JYA	MAYYABA	MUSHEED	99.99	
D00	OCT-2021	IPC	MAYYABA	MUSHEED	99.99	
REV.	DAYS	P.O.L.S	F.P.R.P.	C.H.K.	A.P.P.	A.U.T.
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOOLS WELD & EXTENSION OF BINAQ E/C						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPJ/EPC CONTRACTOR (GC):			
 BIBAN ENGINEERING - DESIGN & INSPECTION CONTRACTORS			 PETROBRAS DEVELOPMENT COMPANY			
DRAWING TITLE: PAID - EXTENSION OF BINAQ E/C MANIFOLD						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	
N.T.S	A3	BK-WO7S-PBDC-10-PR-PI-0001		1 OF 6	D04	
		BUDGET REF.		LOCATION	SIZE CLASS	SERIAL NO.
		P&A-T07021		7	2 A	T07021
						SHEET
						REVISION
						D04
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
APPROVED FOR CONSTRUCTION BY:				DATE:		

	BINAQ OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES WOOLS WELDHEAD FACILITIES					
	THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT HEREON ARE THE SOLE PROPERTY OF N.I.S.O.C. / FIELDS					
	DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	

NOTES	
LEGEND	
EXISTING	-- -- -- -- --
NEW	_____
REFERENCE DRAWING	DWG. NO.

[illegible]

CY-1701A/B
CYCLONE
ODXIT = 12inch1000mm
DES. TEMP. = -5C / 85C
DES. PRESS. = 93 BWG



NOTES

- 1-THE MONITORING DEVICE SHOULD BE USED AT 12 O'CLOCK POSITION ON HORIZONTAL PIPE SECTION.
- 2-THE MINIMUM DISTANCE OF 7 PIPE DIAMETERS AT DOWNSTREAM AND 3 PIPE DIAMETERS AT UPSTREAM OF ANY CHANGES IN FLOW CAUSED BY BENDS,VALVES AND ETC. SHALL BE CONSIDERED.
- 3-TOTAL SHUTDOWN ESD COMMAND SHALL BE TRANSMITTED FROM EXISTING SYSTEM OF BINAK CLUSTER TO NEW ESD SYSTEM.
- 4-TSO VALVE SHALL BE CONSIDERED.
- 5-ONE PORTABLE METERING/MONITORING DEVICE PER PLANT TO BE PROVIDED BY VENDOR TO BE CONNECTED TO CONTROL LOGIC.
- 6-SELECTION BETWEEN MANUAL, SET POINT AND FLOW CONTROL WILL BE DONE BY OPERATOR THROUGH FIC OPS.

LEGEND

EXISTING
NEW

REFERENCE DRAWING

DRG. No.

KEY PLAN

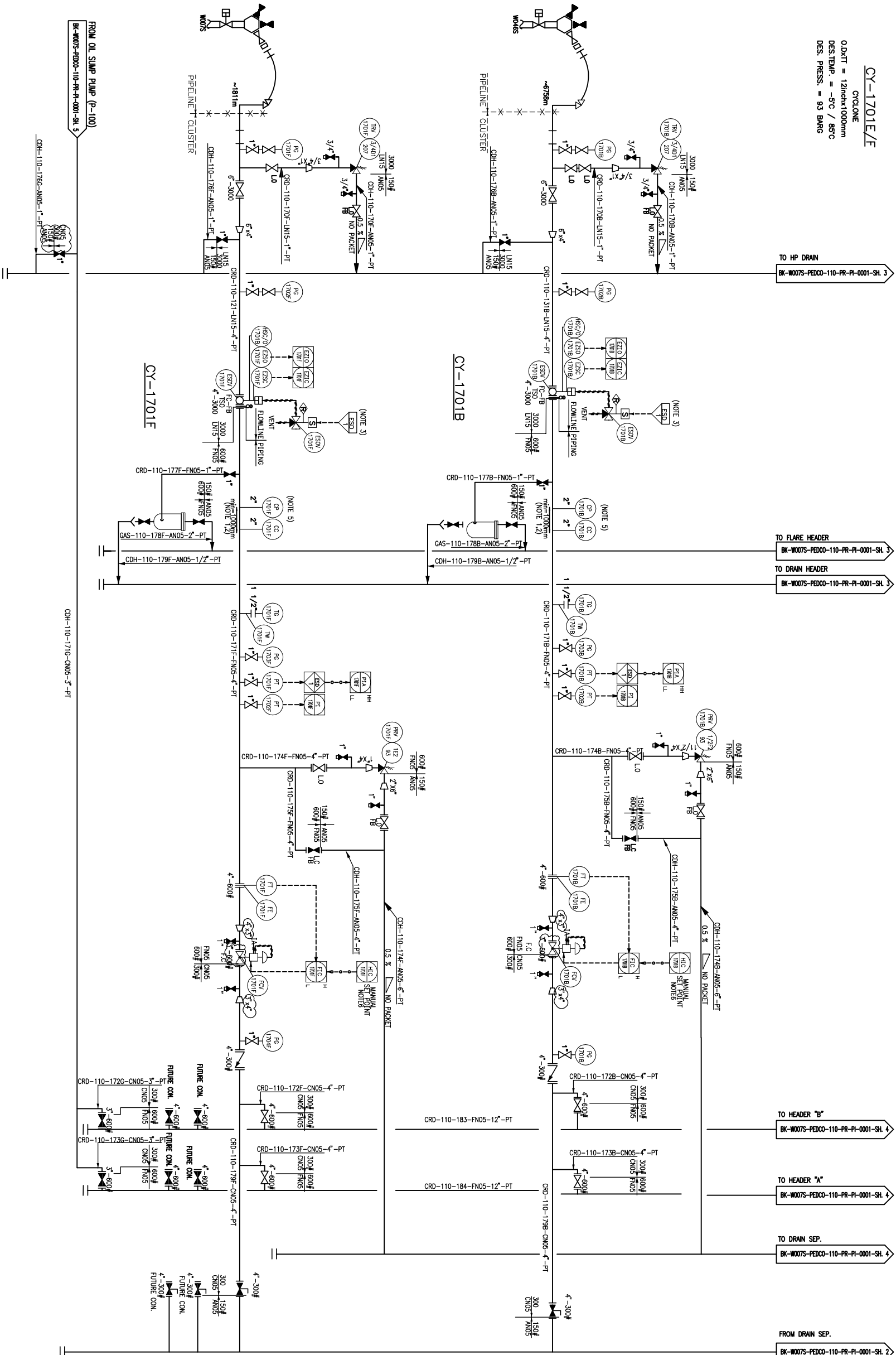
DO4	APR.2023	BYA	REVIEWED	REVIEWED	***
DO3	DEC.2022	BYA	REVIEWED	REVIEWED	***
DO2	AUG.2022	BYA	REVIEWED	REVIEWED	***
DO1	FEB.2022	BYA	REVIEWED	REVIEWED	***
DO0	OCT.2021	BYC	REVIEWED	REVIEWED	***
REV.	DATE	FOUS	PREP.	CHK.	APP.
DO0	DATE	FOUS	PREP.	CHK.	APP.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES
WO07S WHP & EXTENSION OF BINAK T/C

PROJECT NO.: 971020
EPC CONTRACTOR: HIRSHAN
SUB-SURFACE WORK PACKAGES
WO07S WELHEAD FACILITIES

DRAWING TITLE: PAID - EXTENSION OF BINAK B/C MANIFOLD					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	DATE
N.T.S	A3	BK-WO07S-PEDCO-110-PR-PI-0001	3 OF 6	DO4	DO4
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION BY: DATE: REVISION					
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.					

CY-1701E/E
CYCLONE
O.D.XT = 12m x 1000mm
DES.TEMP. = -5°C / 85°C
DES. PRESS. = 93 BARG



- NOTES
- 1-THE MONITORING DEVICE SHOULD BE USED AT 12 O'CLOCK POSITION ON HORIZONTAL PIPE SECTION.
 - 2-THE MINIMUM DISTANCE OF 7 PIPE DIAMETERS AT DOWNSTREAM AND 3 PIPE DIAMETERS AT UPSTREAM OF ANY CHANGES IN FLOW CAUSED BY BENDS, VALVES AND ETC. SHALL BE CONSIDERED.
 - 3-TOTAL SHUTDOWN ESD COMMAND SHALL BE TRANSMITTED FROM EXISTING SYSTEM OF BINAK CLUSTER TO NEW ESD SYSTEM.
 - 4-TSO VALVE SHALL BE CONSIDERED.
 - 5-ONE PORTABLE METERING/MONITORING DEVICE PER PLANT TO BE PROVIDED BY VENDOR TO BE CONNECTED TO OPS.
 - 6-SELECTION BETWEEN MANUAL, SET POINT AND FLOW CONTROL WILL BE DONE BY OPERATOR THROUGH FIC CONTROL LOGIC.
 - 7- DELETED

LEGEND

EXISTING	-----
NEW	_____
REFERENCE DRAWING	
	DRG. No.

KEY PLAN

EXISTING
NEW

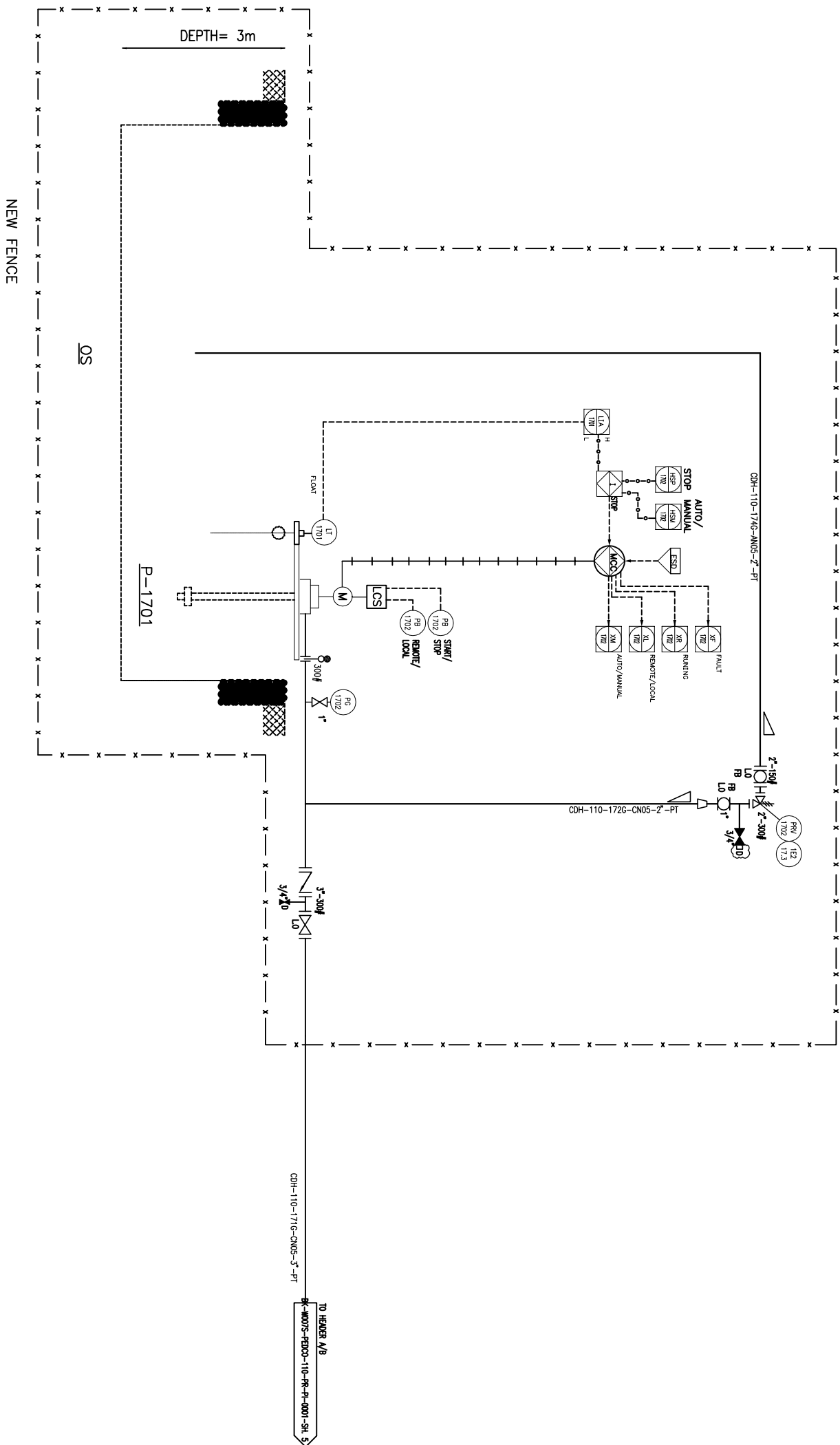
THE ORIGINAL AND ALL CHANGES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

EPC CONTRACTOR:		EPC CONTRACTOR (GC):	
BIRAHAN ENERGY - DESIGN & INSPECTION		PETROBRAS DEVELOPMENT COMPANY	
DRAWING TITLE: PAID - EXTENSION OF BINAK B/C MANIFOLD		NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED	
SCALE	SIZE	DRAWING NO.	REV.
N.T.S	A3	BR-W007S-PEDCO-110-PR-P1-0001	5 OF 6
(VENDOR TITLE BLOCK)**		SHEET NO.	REV.
		5 OF 6	004
		BUDGET REV.	DATE
		7	2
		4	004

NOTES

1- SHALL BE EQUIPPED WITH FOOT VALVE AT THE END OF LINE.

OS
EXISTING OIL SUMP



 BINAAK PETROBRAN DEVELOPMENT COMPANY										BINAAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOOTS WHP & EXTENSION OF BINAAK B/C 971020									
EPC CONTRACTOR: BINAAK PETROBRAN DEVELOPMENT COMPANY										EPC CONTRACTOR (GC): PETROBRAN DEVELOPMENT COMPANY									
BINAAK ENERGY - DESIGN & INSPECTION COMPANIES										PETROBRAN DEVELOPMENT COMPANY									
DRAWING TITLE: P&ID - EXTENSION OF BINAAK B/C MAINDROL										NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
SCALE A3										DRAWING NO. BK-WO78-P&ID-110-PS-PI-0001									
SIZE A3										SHEET NO. 6 OF 6									
REV. 004										REV. 004									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									
DATE 17/07/2021										DATE 17/07/2021									
BY 7										BY 7									
CHECKED BY 17/07/2021										CHECKED BY 17/07/2021									